



Dkt. 69222-A/JPW/DNS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Tamara Byk and Ayelet Chajut  
Serial No. : 10/817,525  
Filed : April 1, 2004 .  
For : sFRP1 and Uses Thereof

1185 Avenue of the Americas  
New York, New York 10036  
June 29, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would like to direct the Examiner's attention to the following documents which are listed on Form PTO-1449 (**Exhibit A**) and are also listed below.

This Information Disclosure Statement is being submitted pursuant to 37 C.F.R. §1.97(b)(3) before the mailing of a first Office Action on the merits. Thus, this Information Disclosure Statement should be entered and considered.

1. PCT International Application Publication No. WO 98/13493, published April 2, 1998 (**Exhibit 1**);
2. PCT International Application Publication No. WO 98/54325, published December 3, 1998 (**Exhibit 2**);

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3. PCT International Application Publication No. WO 01/64717 A1, published September 7, 2001 (**Exhibit 3**);
4. PCT International Application Publication No. WO 01/64949 A2, published September 7, 2001 (**Exhibit 4**);
5. Aubert, J. et al., (2002) "Functional Gene Screening in Embryonic Stem Cells Implicates Wnt Antagonism in Neural Differentiation", Nature Biotechnology 20:1240-1245 (**Exhibit 5**);
6. Bradbury, J., (2003) "Wnt Helps Blood Stem Cells Tick Over", The Lancet 361:1528 (**Exhibit 6**);
7. Constantinescu, S., (2003) "Stemness, Fusion and Renewal of Hematopoietic and Embryonic Stem Cells" J. Cell. Mol. Med., 7(2):103-112 (**Exhibit 7**);
8. Eaves, J.C., (2003) "Manipulating Hematopoietic Stem Cell Amplification with Wnt" Nature Immunology 4(6):511-512 (**Exhibit 8**);
9. Murdoch, B. et al., (2003) "Wnt-5A Augments Repopulating Capacity and Primitive Hematopoietic Development of Human Blood Stem Cells In Vivo", PNAS, 100(6):3422-3427 (**Exhibit 9**);

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10. Melkonyan, S.H. et al., (1997) "SARPs: A Family of Secreted Apoptosis-Related Proteins", Proc. Natl. Acad. Sci. USA 94:13636-13641 (**Exhibit 10**);
11. Rattner, A. et al., (1997) "A Family of Secreted Proteins Contains Homology to the Cysteine-Rich Ligand-Binding Domain of Frizzled Receptors", Proc. Natl. Acad. Sci. USA 2859-2863 (**Exhibit 11**);
12. Reya, T. et al., (2003) "A Role for Wnt Signalling in Self-Renewal of Haematopoietic Stem Cells", Nature 423:409-414 (**Exhibit 12**);
13. Reya, T. et al., (2001) "Stem Cells, Cancer, and Cancer Stem Cells", Nature 414:105-111 (**Exhibit 13**);
14. Reya, T., (2005) "Regulation of Hematopoietic Stem Cells Self-Renewal", rphr.endojournals.org 283-295 (**Exhibit 14**);
15. Üren, A. et al., (2000) "Secreted Frizzled-Related Protein-1 Binds Directly to Wingless and Is a Biphasic Modulator of Wnt Signaling", The Journal of Biological Chemistry 275:4374-4382 (**Exhibit 15**); and
16. Willert et al. (2003) "Wnt Proteins are Lipid-Modified and can Act Stem Cell Growth Factors", Nature 423:448-452 (**Exhibit 16**).

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Applicants request that the Examiner review the references and make them of record in the subject application.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

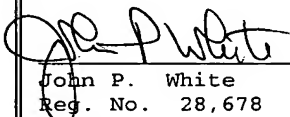
No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to:  
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Reg. No. 28,678

 Date



Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 69222-A/JPW/DNS		Serial No. 10/817,525							
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants: Tamara Byk et al.									
				Filing Date April 1, 2004		Group							
U.S. PATENT DOCUMENTS													
Examiner Initial		Document Number						Date	Name	Class	Subclass	Filing Date if Appropriate	
FOREIGN PATENT DOCUMENTS													
		Document Number						Date	Country	Class	Subclass	Translation	
												Yes	No
		WO	9	8	1	3	4	9	3	4/2/98	PCT;		
		WO	9	8	5	4	3	2	5	12/3/98	PCT;		
		WO	0	1	6	4	7	1	7	9/7/01	PCT;		
		WO	0	1	6	4	9	4	9	9/7/01	PCT;		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)													
		Aubert, J. et al., (2002) "Functional Gene Screening in Embryonic Stem Cells Implicates Wnt Antagonism in Neural Differentiation", <u>Nature Biotechnology</u> 20:1240-1245;											
		Bradbury, J., (2003) "Wnt Helps Blood Stem Cells Tick Over", <u>The Lancet</u> 361:1528;											
		Constantinescu, S., (2003) "Stemness, Fusion and Renewal of Hematopoietic and Embryonic Stem Cells" <u>J. Cell. Mol. Med.</u> , 7(2):103-112;											
		Eaves, J.C., (2003) "Manipulating Hematopoietic Stem Cell Amplification with Wnt" <u>Nature Immunology</u> 4(6):511-512;											
		Murdoch, B. et al., (2003) "Wnt-5A Augments Repopulating Capacity and Primitive Hematopoietic Development of Human Blood Stem Cells <i>In Vivo</i> ", <u>PNAS</u> , 100(6):3422-3427;											
		Melkonyan, S.H. et al., (1997) "SARPs: A Family of Secreted Apoptosis-Related Proteins", <u>Proc. Natl. Acad. Sci. USA</u> 94:13636-13641;											
		Rattner, A. et al., (1997) "A Family of Secreted Proteins Contains Homology to the Cysteine-Rich Ligand-Binding Domain of Frizzled Receptors", <u>Proc. Natl. Acad. Sci. USA</u> 2859-2863;											
		Reya, T. et al., (2003) "A Role for Wnt Signalling in Self-Renewal of Haematopoietic Stem Cells", <u>Nature</u> 423:409-414;											
		Reya, T. et al., (2001) "Stem Cells, Cancer, and Cancer Stem Cells", <u>Nature</u> 414:105-111;											
		Reya, T., (2005) "Regulation of Hematopoietic Stem Cells Self-Renewal", <u>rphr.endojournals.org</u> 283-295;											
		Üren, A. et al., (2000) "Secreted Frizzled-Related Protein-1 Binds Directly to Wingless and Is a Biphasic Modulator of Wnt Signaling", <u>The Journal of Biological Chemistry</u> 275:4374-4382; and											
		Willert et al. (2003) "Wnt Proteins are Lipid-Modified and can Act Stem Cell Growth Factors", <u>Nature</u> 423:448-452.											
EXAMINER				DATE CONSIDERED									
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

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Exhibit A